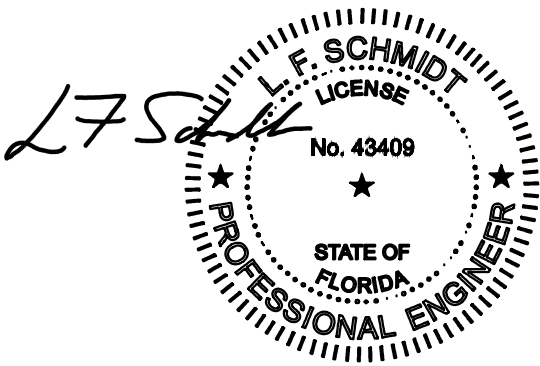




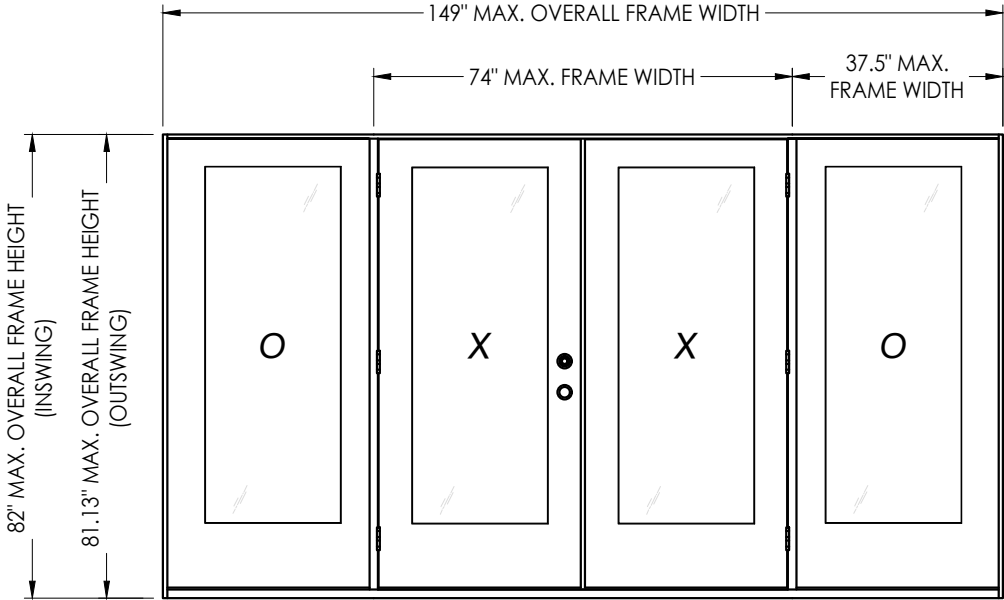
215 EAST ROOSEVELT AVE.
ZEELAND, MI 49464

FLUSH GLAZED FIBERGLASS DOOR
DOUBLE w/ SIDELITES
INSWING/OUTSWING
"NON-IMPACT"



This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



OXXO
CONTINUOUS HEAD & SILL

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OXXO	149" x 82.0"	+50.0	-50.0	+50.0	-50.0

GENERAL NOTES

- This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2 of the FBC.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET #	
1	Typical Elevations, Design Pressures & General Notes	7	Horizontal & Vertical Cross Sections (1X Buck)
2	Door Panel Details	8	Horizontal & Vertical Cross Sections (Direct to Masonry)
3	Sidelite Panel & Lite Frame Glazing Details	9	Vertical Cross Sections (Thresholds)
4	Elevations	10	Buck & Frame Anchoring & Hardware Details
5	Horizontal Cross Sections	11	Bill of Materials & Components
6	Horizontal & Vertical Cross Sections (2X Buck)		

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

ODL
FIBERGLASS DOOR

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

REVISIONS
NO. DATE BY

DATE: 12/10/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46118.5

SHEET 1 OF 11

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

© 2024 R.W. BUILDING CONSULTANTS INC.



Diagram illustrating the cross-section of a composite rail assembly, showing internal components and labels:

- TOP RAIL (COMP)**: The top composite rail section, shown with a 1" dimension.
- FIBERGLASS SKIN**: The outer layer of the rail sections.
- INTERIOR**: The inner section of the rail assembly.
- EXTERIOR**: The outer section of the rail assembly.
- G1, G2, G3, G4**: Labels for the four glass layers within the interior section.
- FOAM CORE**: The central core material of the rail sections.
- BOTTOM RAIL (COMP)**: The bottom composite rail section, shown with a 1" dimension.

2 VERTICAL CROSS SECTION

R^{gW} BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY:

[illegible]

DATE:	12/10/24
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46118.5
SHEET	2 OF 11

A detailed cross-section diagram of a composite door assembly. The diagram illustrates the internal structure, including a composite cap, stiles (LVL), and a core. Key dimensions are provided: a total height of 1.75 inches, a top flange width of 0.38 inches, and a stile width of 0.7 inches. The assembly is divided into an interior side (top) and an exterior side (bottom). Four circular callouts labeled G1, G2, G3, and G4 are positioned at the top, with an arrow pointing from G1 to the interior side of the door.

The image displays three vertical panels, each representing a different window treatment or design style. The first panel on the left features a grid pattern with a small decorative element in the top right corner. The middle panel shows a repeating diamond or lattice pattern. The third panel on the right depicts horizontal blinds with a small decorative element in the top right corner.

Technical drawing showing two panels, labeled 1 and 2, with dimensions and features.

Panel 1 (Left):

- Overall dimensions: 35.75" MAX. PANEL WIDTH and 79.25" MAX. PANEL HEIGHT.
- Inset dimensions: 23.9" MAX. D.L.O. WIDTH and 62.9" MAX. D.L.O. HEIGHT.
- Features: A large circle labeled "O" is centered within the inset area. A small triangle symbol is located at the top center of the inset area. A small triangle symbol is located at the bottom center of the inset area. A small triangle symbol is located at the top center of the main panel area.

Panel 2 (Right):

- Overall dimensions: 5.9" D.L.O. WIDTH.
- Features: A large circle labeled "O" is centered within the inset area. A small triangle symbol is located at the top center of the inset area. A small triangle symbol is located at the bottom center of the inset area. A small triangle symbol is located at the top center of the main panel area.

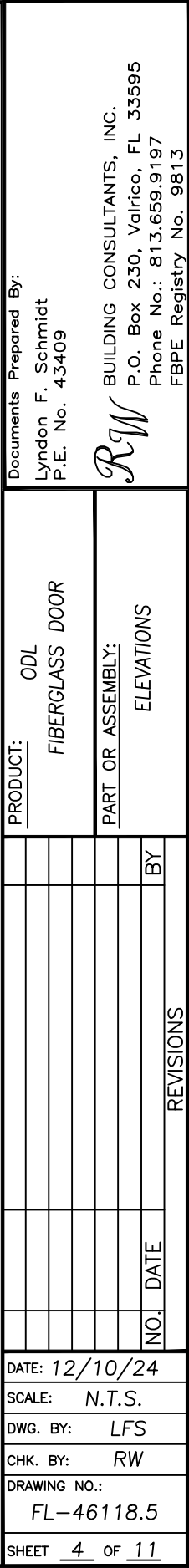
The diagram illustrates a cross-section of a composite rail assembly. At the top, a layer of material is labeled "TOP RAIL (COMP)". Below this is a thick section of material containing small triangular symbols, labeled "FIBERGLASS SKIN". The central part of the assembly is a hollow channel, with the left side labeled "INTERIOR" and the right side labeled "EXTERIOR". On the right side of the channel, four circular labels are stacked vertically: "G1", "G2", "G3", and "G4". Below the channel is another thick section of material with triangular symbols, labeled "FOAM CORE". At the bottom, a layer of material is labeled "BOTTOM RAIL (COMP)". Dimension lines with arrows indicate a height of "1''" for the top rail and another "1''" for the bottom rail.

A cross-sectional diagram of a double-glazed unit. It consists of two horizontal glass panes, each labeled "1/8\" TEMPERED GLASS". Between the panes is an "AIR SPACE". A "GRID INSERT" is positioned in the center of the air space. On the left side, an "INTERCEPT SPACER" is shown. A vertical dimension line on the right indicates the "1\" OVERALL GLASS THK.". At the bottom, there is a logo "G2" inside a circle, followed by the text "GLAZING DETAIL" and "GRIDS BETWEEN GLASS".

1" OVERALL GLASS THK.
1/8" TEMPERED GLASS
AIR SPACE
DECORATIVE INSERT
1/8" TEMPERED GLASS
DURASEAL™
(USEAL TECHNOLOGIES)

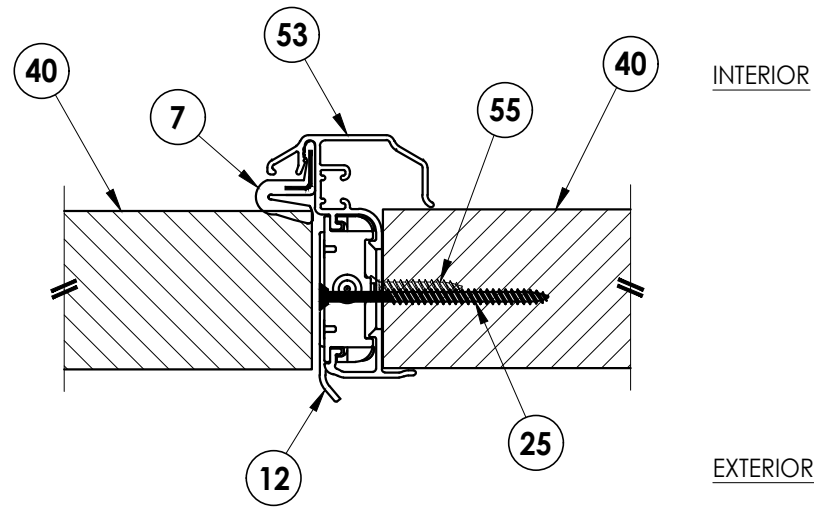
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

© 2024 R.W. BUILDING CONSULTANTS INC.

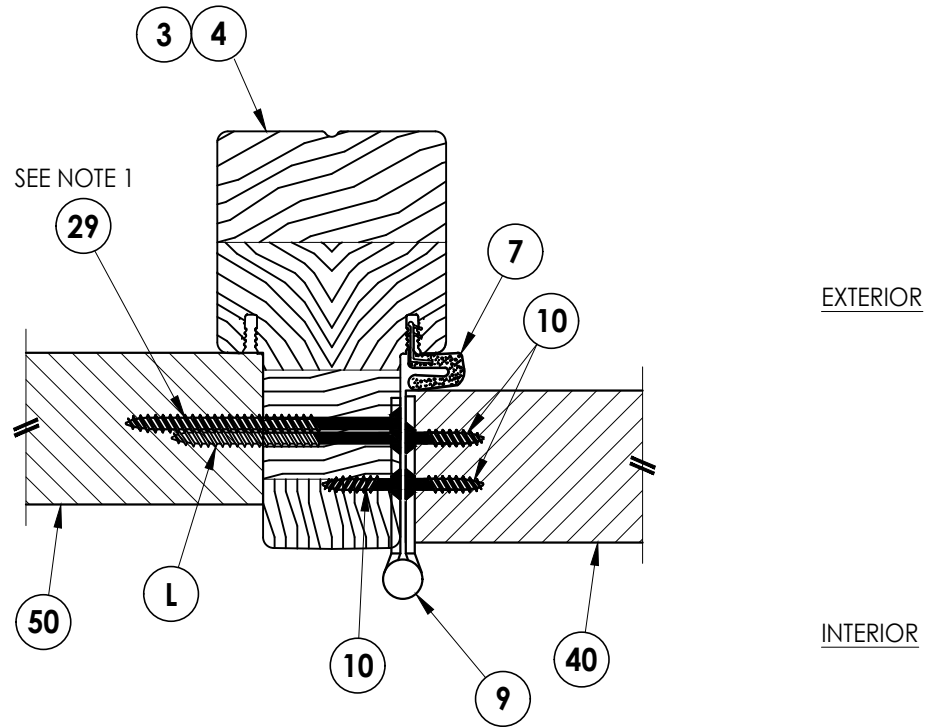


DATE: 12/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46118.5
SHEET 4 OF 11

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

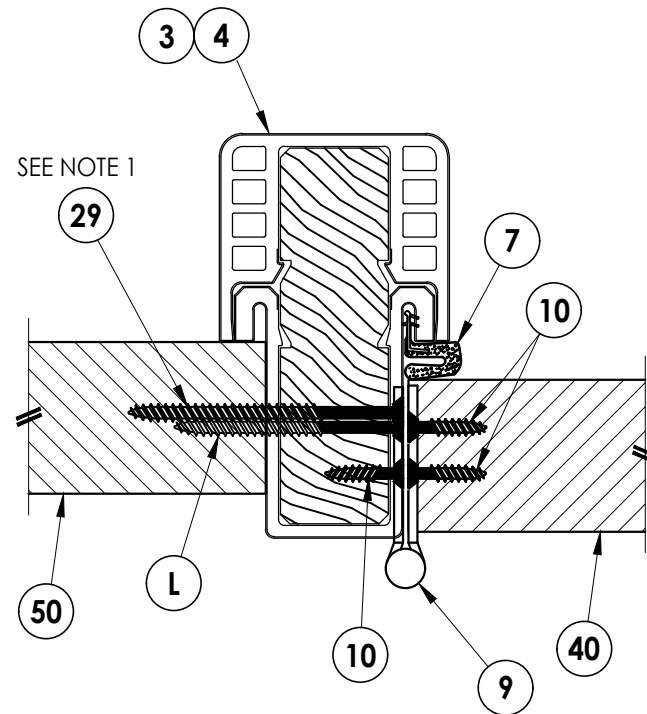


1 **HORIZONTAL CROSS SECTION**
5 Outswing Shown (Inswing Similar)



2 HORIZONTAL CROSS SECTION

5 Outswing Shown (Inswing Similar)

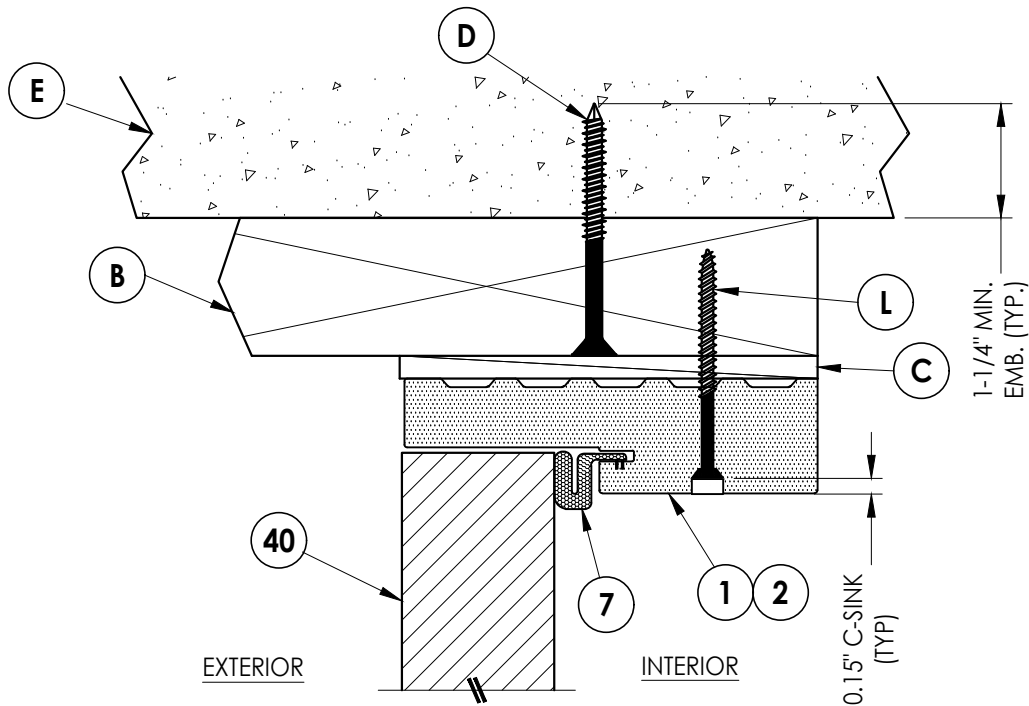
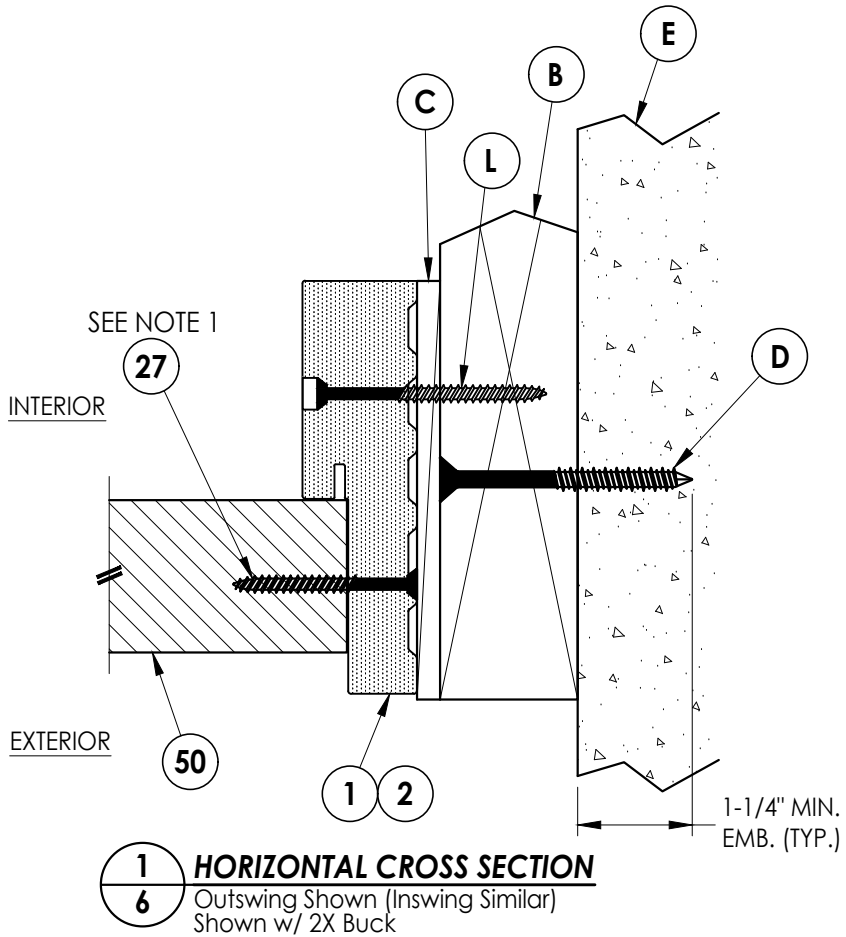


3 **HORIZONTAL CROSS SECTION**
5 Outswing Shown (Inswing Similar)

Notes:

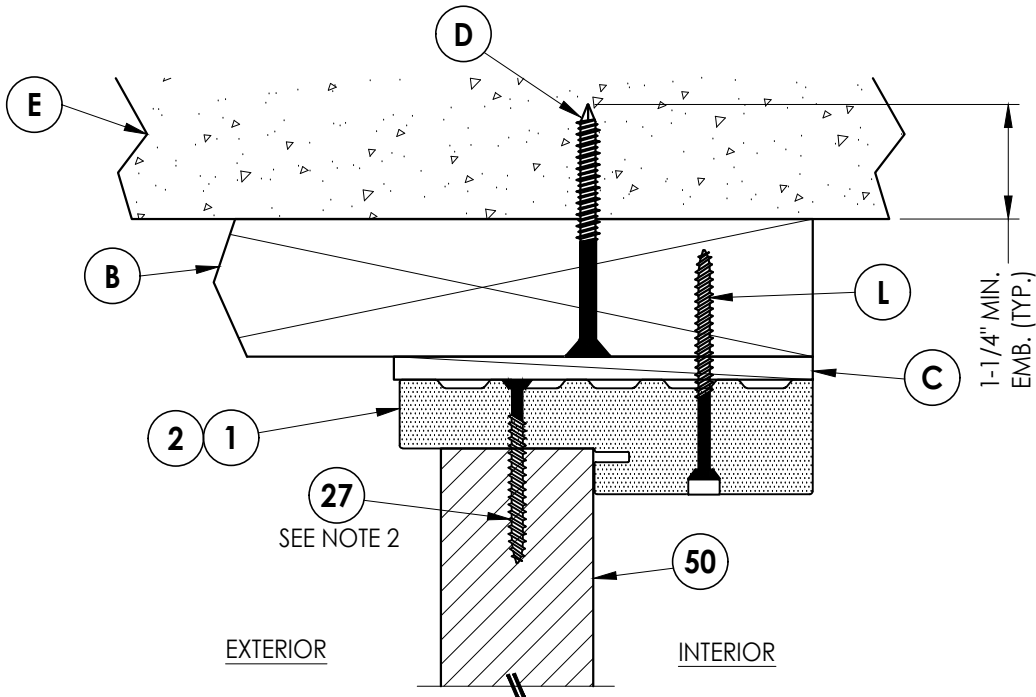
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).

[illegible]



2 VERTICAL CROSS SECTION

6 Outswing Shown (Inswing Similar) Shown w/ 2X Buck



3 VERTICAL CROSS SECTION

6 Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

Notes:

1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill). Note: Screws not required on 14" Sidelites.

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: ODL
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

[illegible]

DATE: 12/10/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

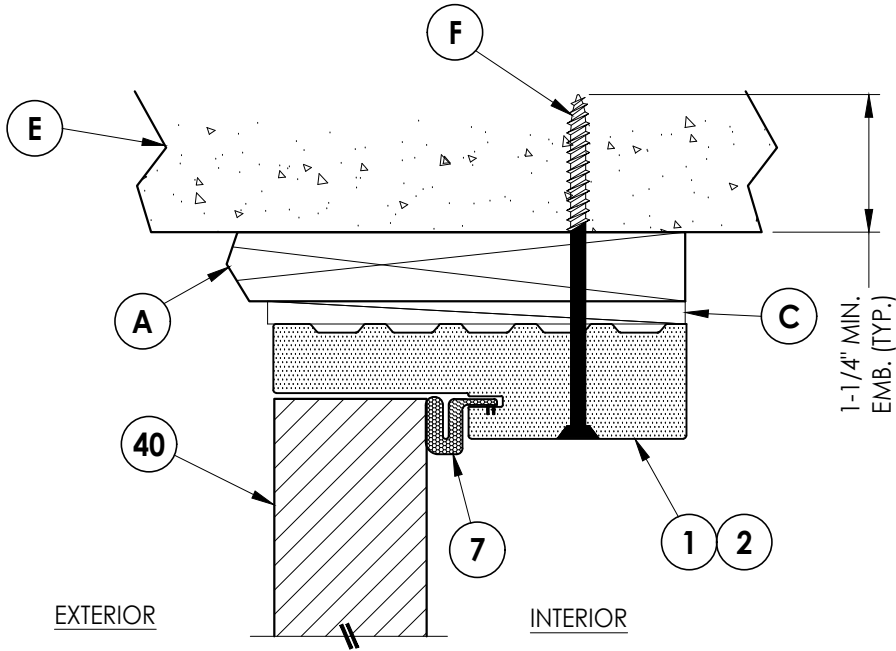
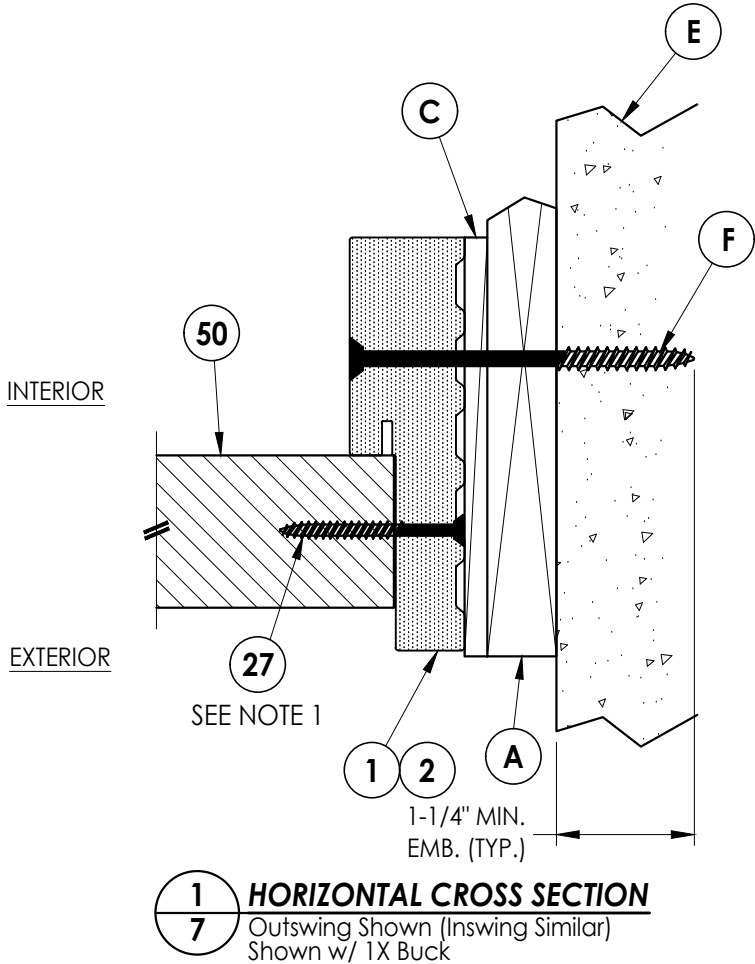
FL-46118.5

© 2024 R.W. BUILDING CONSULTANTS INC.

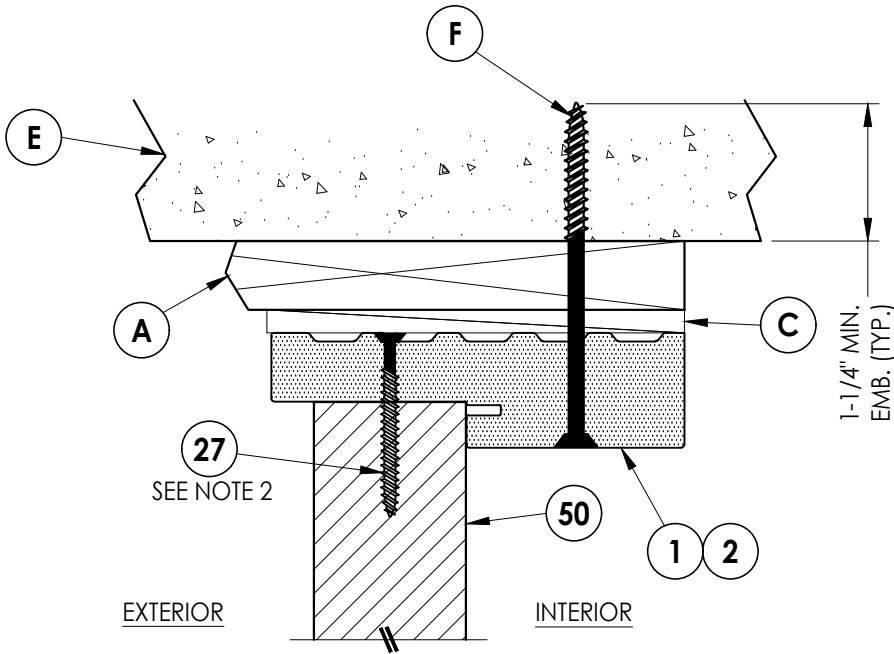
Z:\2023 FBC Drawings\ODL, Inc\FL-46118\FL-46118.5.dwg

Notes:

- 1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
- 2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill). Note: Screws not required on 14" Sidelites.



2
7 VERTICAL CROSS SECTION
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



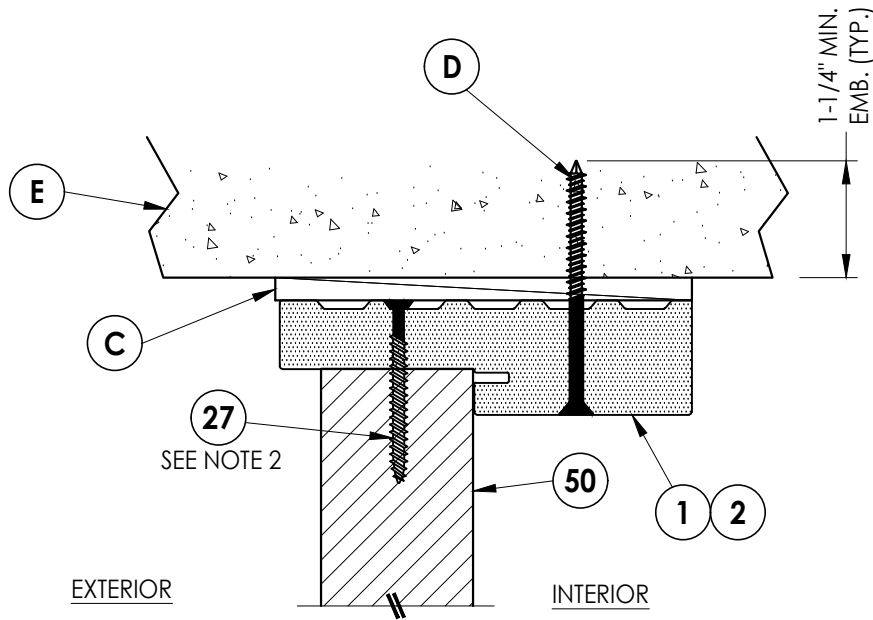
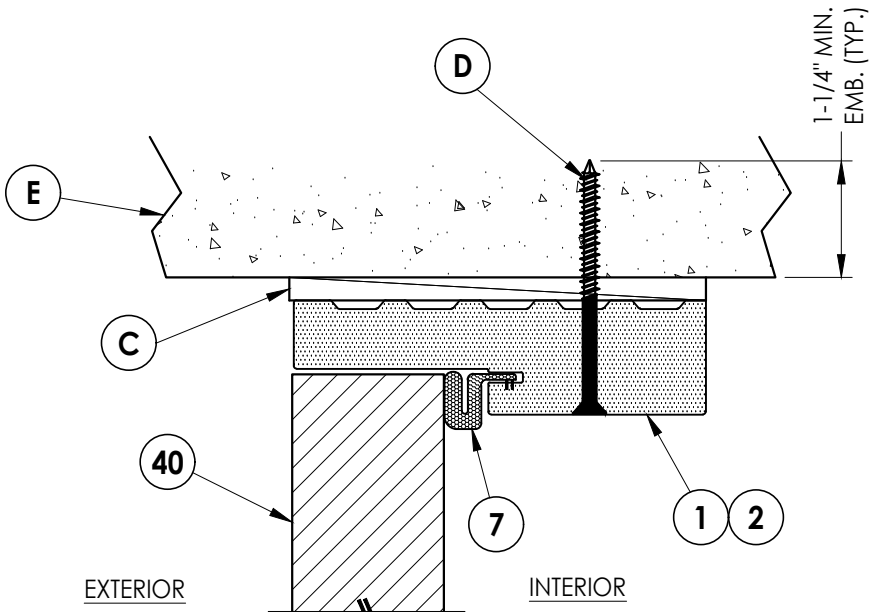
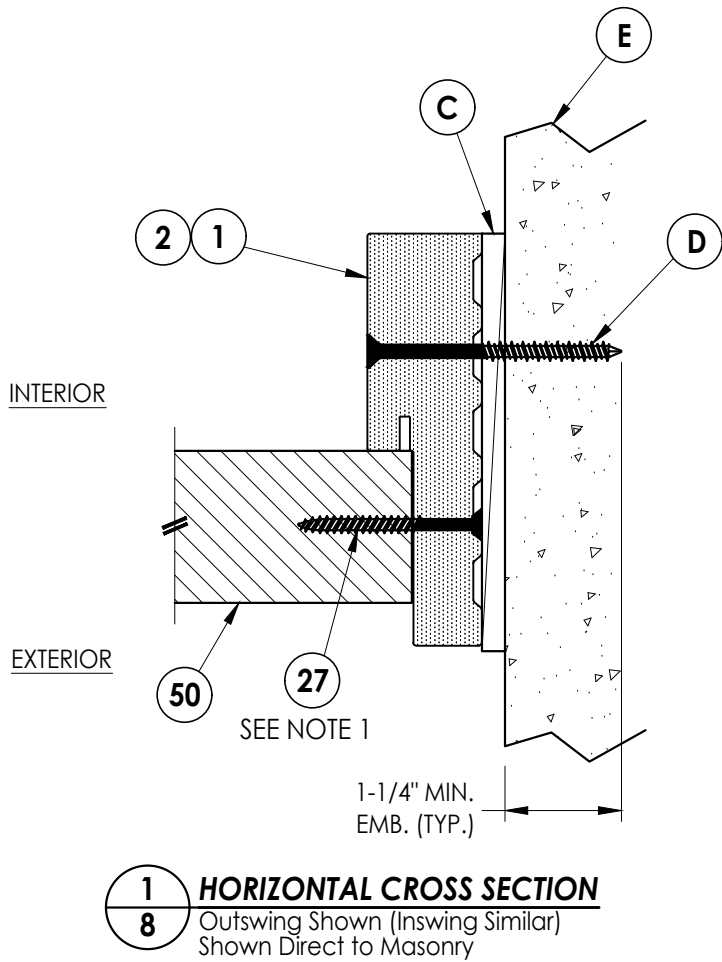
3
7 VERTICAL CROSS SECTION
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				RWBUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)					
				REVISIONS			
				NO.	DATE	BY	
DATE: 12/10/24							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46118.5							
SHEET 7 OF 11							

Z:\2023 FBC Drawings\ODL, Inc\FL-46118\FL-46118.5.dwg

Notes:

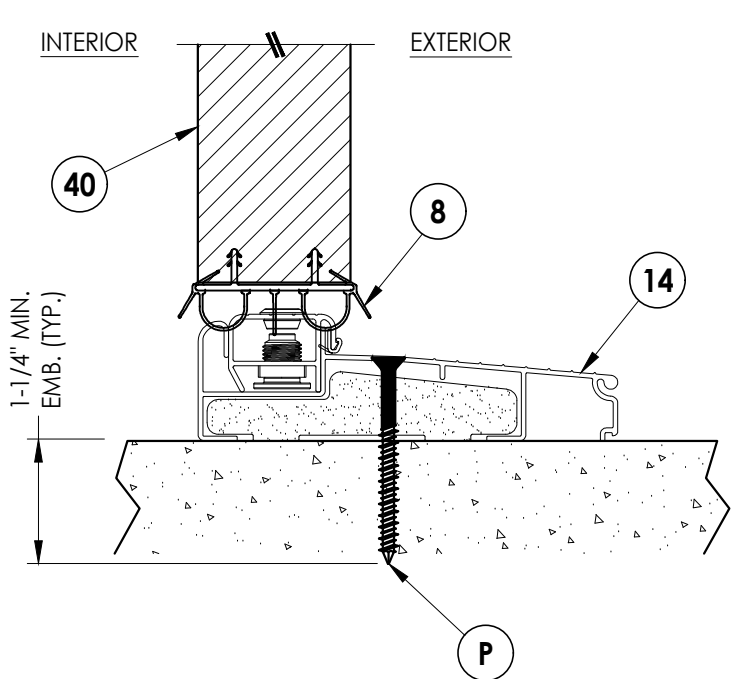
- 1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
- 2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill). Note: Screws not required on 14" Sidelites.



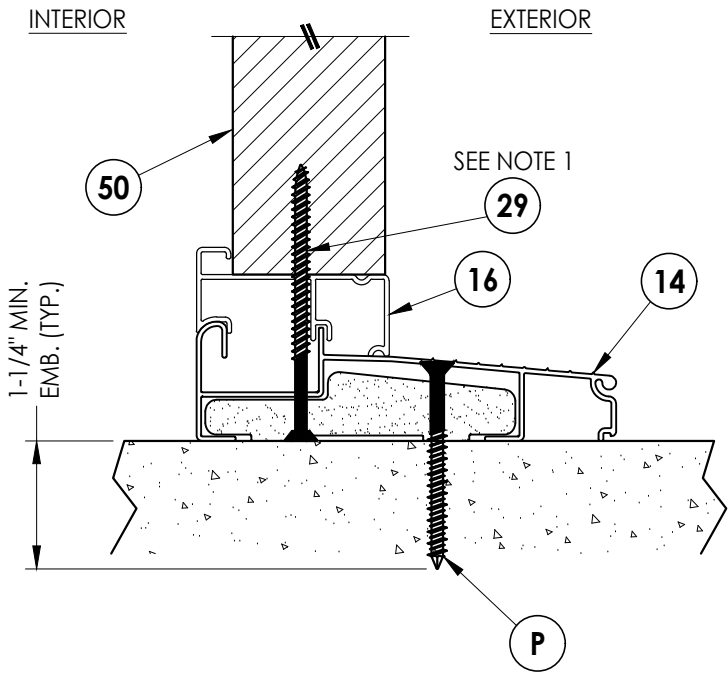
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)	
		NO.	DATE
		BY	
REVISIONS			
DATE: 12/10/24			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46118.5			
SHEET 8 OF 11			

Z:\2023 FBC Drawings\ODL, Inc\FL-46118\FL-46118.5.dwg

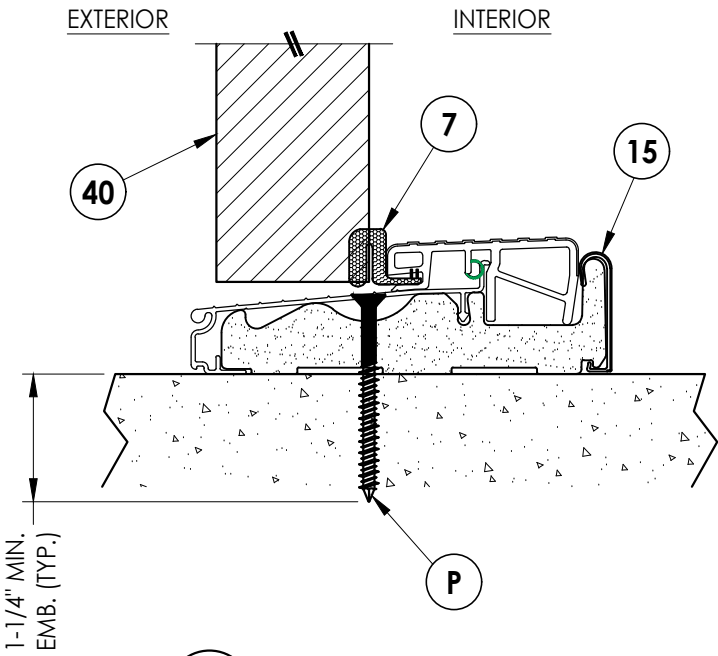
Notes:
1. Sidelite assembly screws located 10" from each end (2 screws total along head & sill).



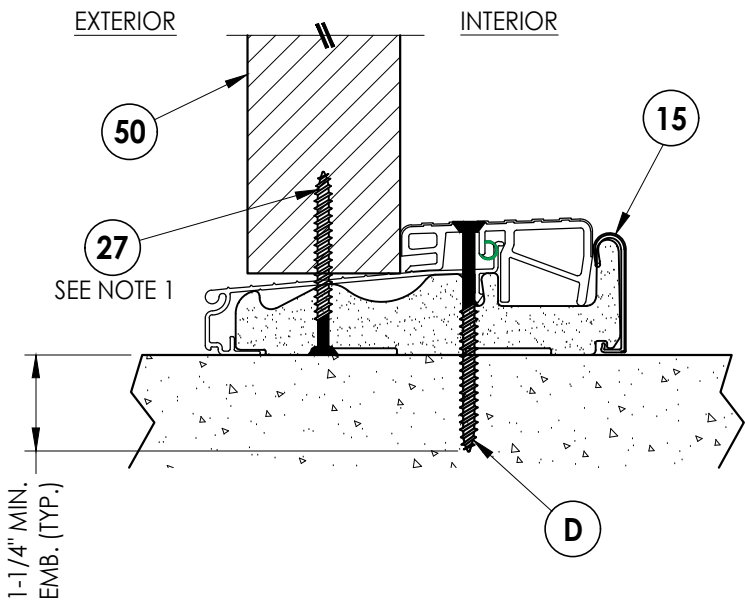
1
9 VERTICAL CROSS SECTION
Inswing Sill



3
9 VERTICAL CROSS SECTION
Inswing Sill

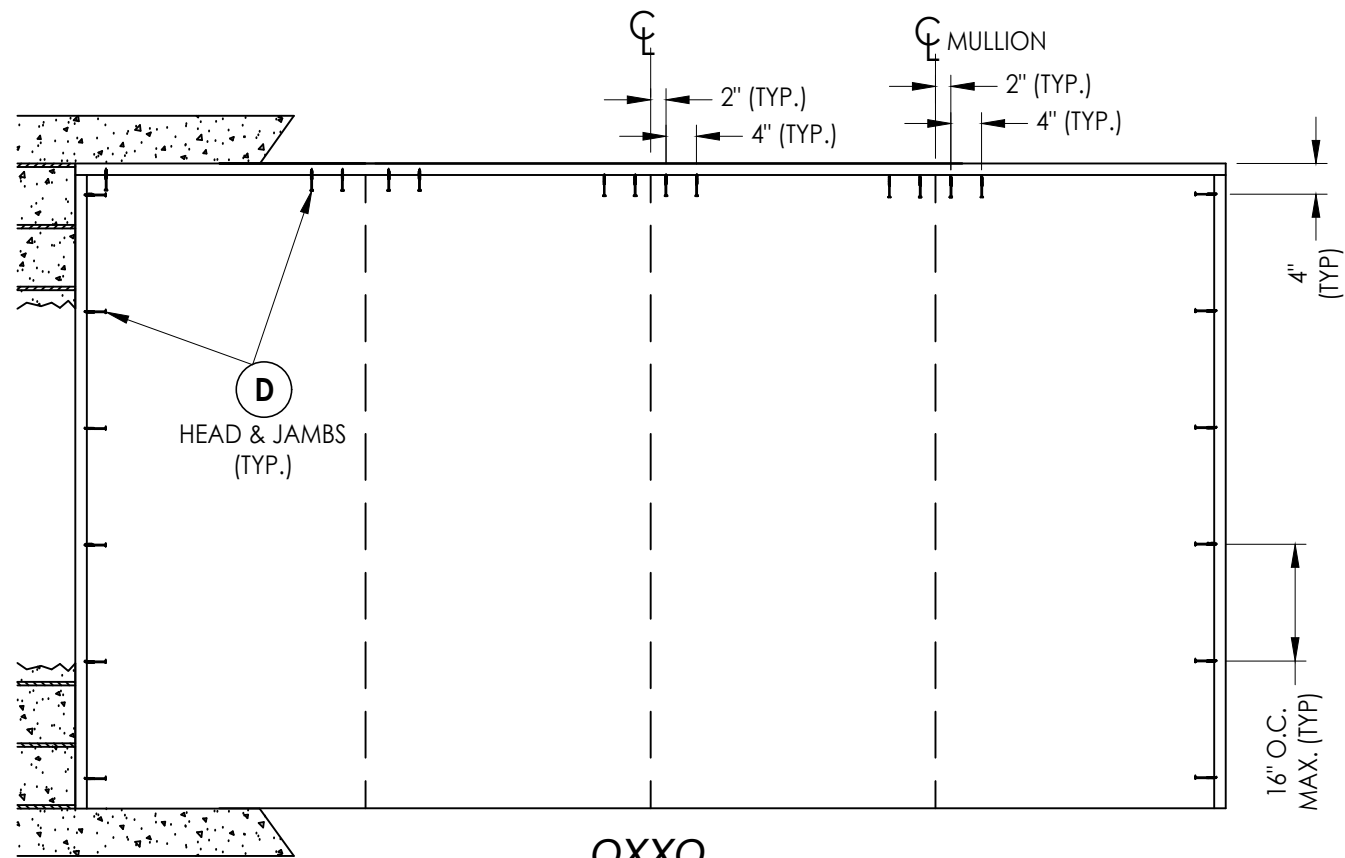


2
9 VERTICAL CROSS SECTION
Outswing Sill

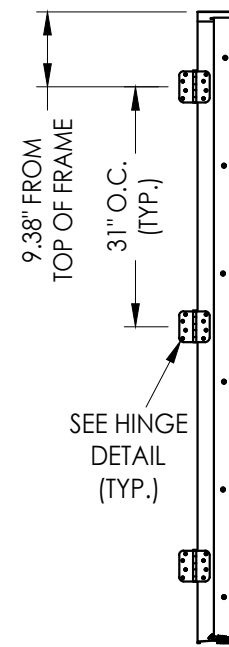


4
9 VERTICAL CROSS SECTION
Outswing Sill

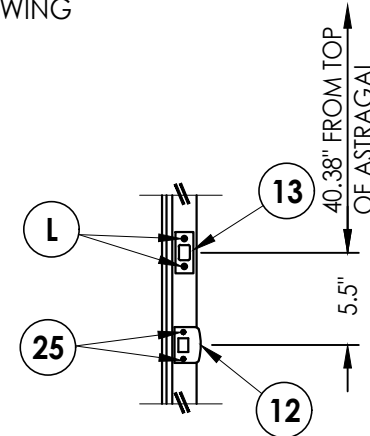
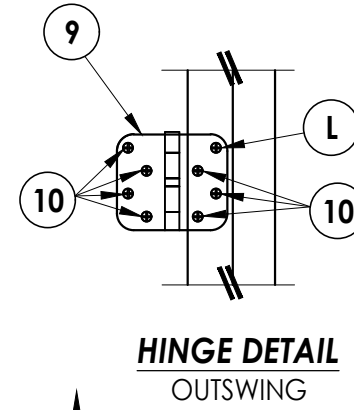
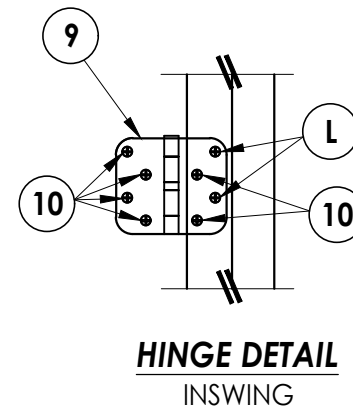
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)	
			</



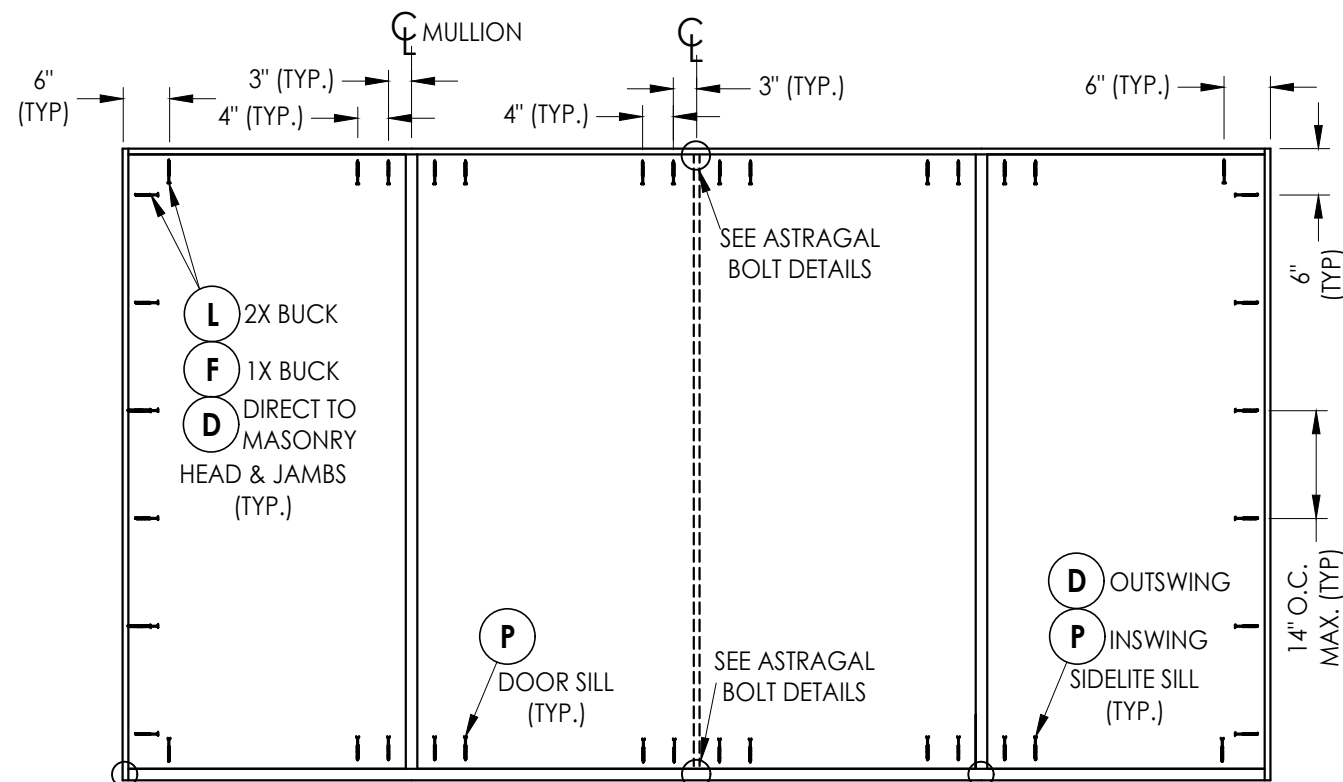
OXXO
2X BUCK ANCHORING



HINGE JAMB



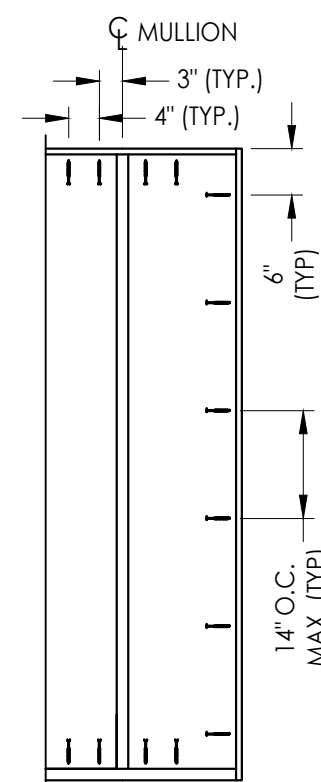
LATCH & DEADBOLT STRIKE PLATE DETAILS



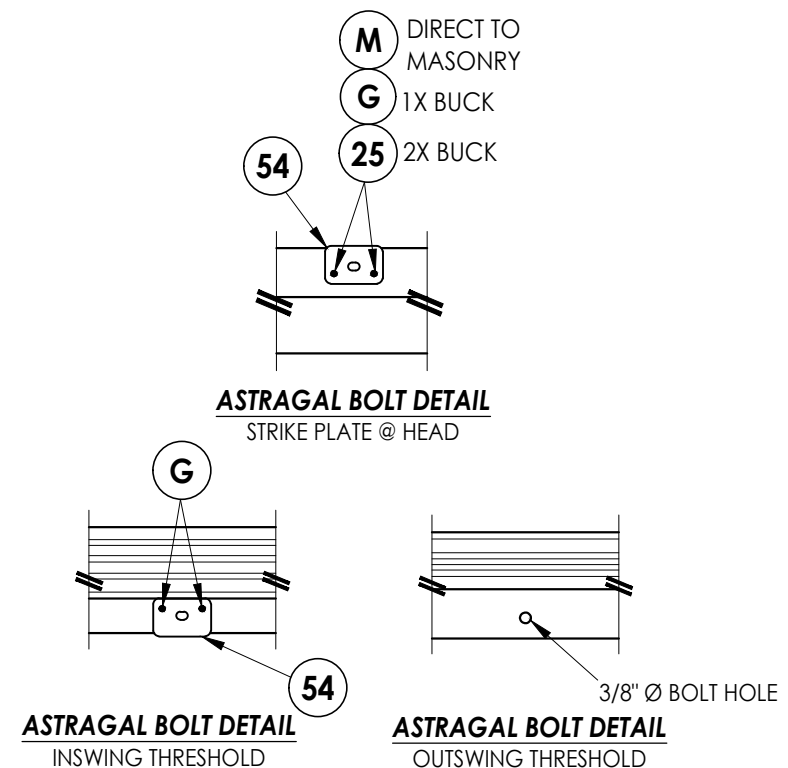
OXXO
FRAME ANCHORING

FRAME CORNERS ATTACHED w/ #8 X 2-1/2"
DEEP THREAD WOOD SCREWS: (3) @ HEAD
& (3) @ SILL (TYP.)

INTEGRAL MULLION ATTACHED TO
HEAD & SILL w/ (3) #8 X 2-1/2" FH
DEEP THREAD WOOD SCREWS (TYP.)



ALL ANCHORS SAME AS OXXO
Shown w/ 14" Sidelite



HARDWARE DETAILS

[illegible]

Z:\2023 FBC Drawings\ODL, Inc\FL-46118\FL-46118.5.dwg

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
P	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	COMPOSITE JAMB (WORLDWIDE OR PLASTPRO)	COMP
2	WOOD JAMB (FJ PINE OR PLASTPRO)	WOOD
3	COMPOSITE MULLION (ENDURA OR PLASTPRO)	PVC/WOOD
4	WOOD MULLION (PINE OR ENDURA)	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
9	4" X 4" HINGE	STEEL
10	#9 X 3/4" PFH WOOD SCREW	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
14	INSWING THRESHOLD	ALUM/COMP
15	OUTSWING THRESHOLD	ALUM/COMP
16	INSWING SIDELITE BASE	ALUM
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	#10 X 2" PFH SMS	STEEL
29	#10 X 3" FH COMPOSITE DECK SCREW	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-
53	ALUMINUM ASTRAGAL	ALUM
54	ASTRAGAL STRIKE PLATE (1.75" X 2.5")	STEEL
55	8 X 1" PFH WS	STEEL

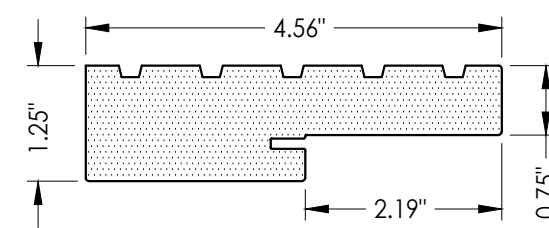
CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- Concrete anchor table:

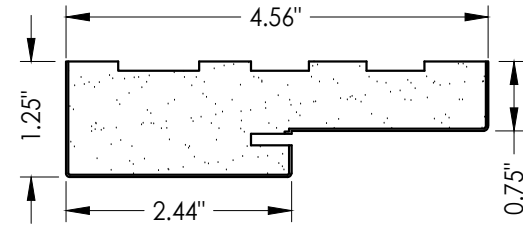
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

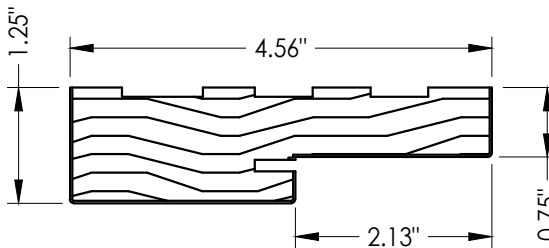
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



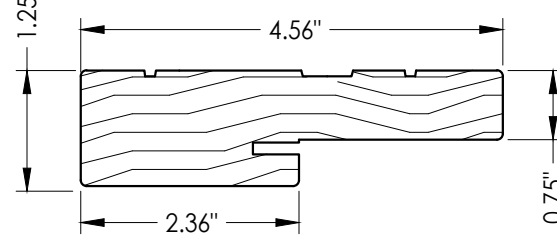
1 COMPOSITE JAMB
WORLDWIDE 4EVER COMPOSITE FRAME



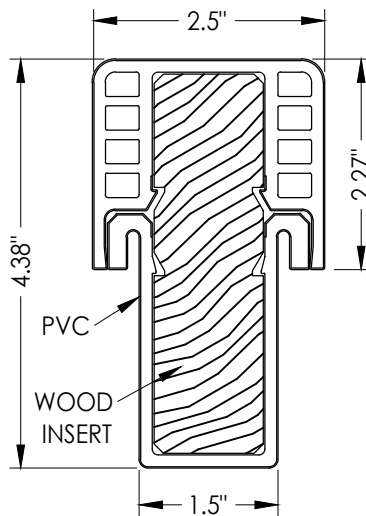
1 COMPOSITE JAMB
PLASTPRO POLY FIBER JAMB



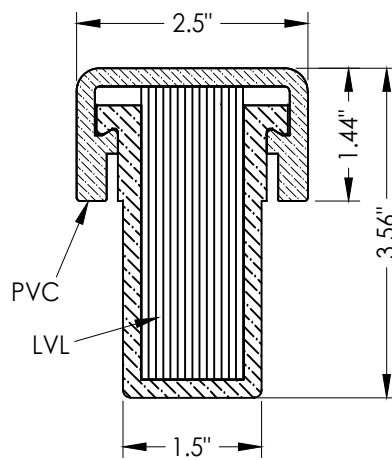
2 WOOD JAMB
FINGER JOINTED PINE



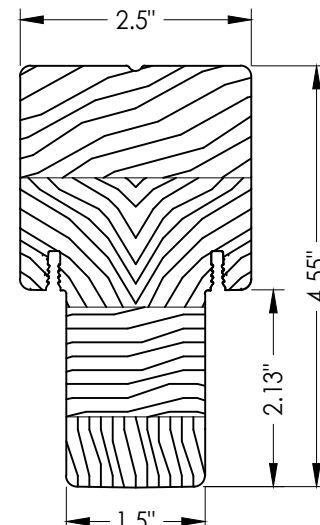
2 WOOD JAMB
ENDURA FrameSaver



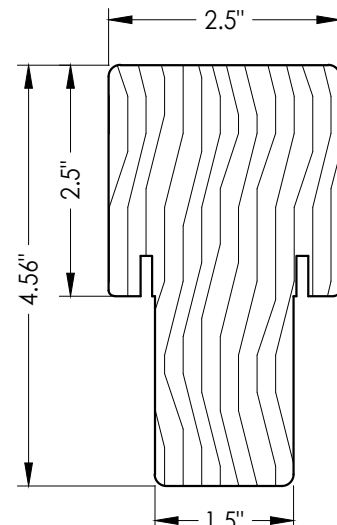
3 COMPOSITE MULLION
ENDURA FUSION
w/ PVC Boot



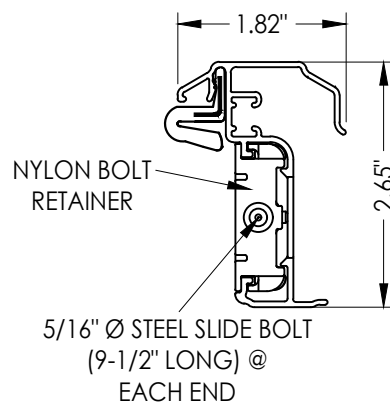
3 COMPOSITE MULLION
PLASTPRO (3-Piece)
w/ PVC Boot



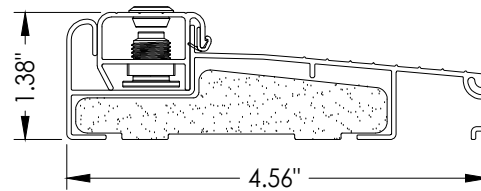
4 WOOD MULLION
PINE



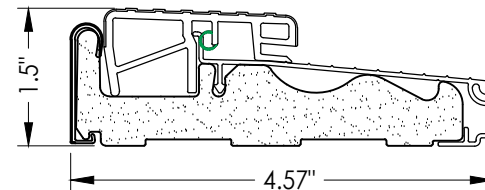
4 WOOD MULLION
ENDURA FrameSaver



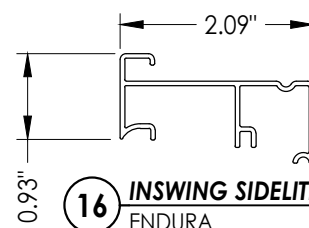
53 ENDURA ULTIMATE ALUMINUM ASTRAGAL
ULTIMATE PUSH BUTTON ASTRAGAL
ULTIMATE HURRICANE ASTRAGAL



14 INSWING ADJUSTABLE THRESHOLD
ZAILAA4565



15 OUTSWING THRESHOLD
ENDURA Z SERIES



16 INSWING SIDELITE BASE
ENDURA

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: ODL
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	BY	REVISIONS

DATE: 12/10/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46118.5

SHEET 11 OF 11